

WHAT IS CLAIMED IS:

1. A system for providing broadcast content, the system comprising:
 - a content source comprising a continuity server capable of maintaining at least one piece of content and a schedule, wherein the schedule specifies at least one broadcast time the content source broadcasts the at least one piece of content, and wherein the content source is capable of broadcasting the at least one piece of content in accordance with the schedule; and
 - a terminal capable of storing, in a memory, at least one piece of pre-broadcast content comprising the same at least one piece of content maintained by the continuity server, wherein the terminal is capable of accessing at least one piece of pre-broadcast content from the memory in accordance with the schedule, and thereafter presenting the accessed at least one piece of pre-broadcast content as the content source broadcasts the same at least one piece of content.
- 15 2. A system according to Claim 1, wherein the terminal is capable of synchronizing the accessed at least one piece of pre-broadcast content with the same at least one piece of content broadcast by the content source before presenting the accessed at least one piece of pre-broadcast content, and wherein the terminal is capable of presenting the synchronized at least one piece of pre-broadcast content.
- 20 3. A system according to Claim 1, wherein the terminal is capable of storing the at least one piece of pre-broadcast content before the content source broadcasts the same at least one piece of content.
- 25 4. A system according to Claim 1, wherein the content source is capable of sending, to the terminal, the at least one piece of content maintained by the continuity server, and wherein the terminal is capable of receiving and storing the received at least one piece of content as the at least one piece of pre-broadcast content.
- 30 5. A system according to Claim 4, wherein the content source is capable of at least one of encoding and transcoding the at least one piece of content and the schedule

before sending the at least one piece of content and the schedule to the terminal, and wherein when the content source encodes the at least one piece of content, the terminal is capable of receiving the encoded at least one piece of content, and thereafter decoding the encoded at least one piece of content.

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6. A system according to Claim 1, wherein the schedule maintained by the continuity server also specifies at least one broadcast time the content source broadcasts at least one piece of live broadcast content, wherein the terminal is capable of receiving at least one piece of live broadcast content when a current time matches the broadcast time of the respective at least one piece of live broadcast content, wherein the terminal is capable of accessing at least one of at least one piece of pre-broadcast content stored in by the terminal and at least one piece of live broadcast content received by terminal, and wherein the terminal is capable of presenting at least one of the accessed at least one piece of pre-broadcast content and the accessed at least one piece of live broadcast content.

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7. A system according to Claim 1, wherein the terminal is capable of releasing each piece of pre-broadcast content when a current time of the terminal matches the broadcast time the content source broadcasts the same piece of content, and wherein the terminal is capable of accessing at least one released piece of pre-broadcast content.

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8. A system according to Claim 7, wherein the content source is capable of broadcasting the at least one piece of content when a current time of the content source matches the at least one broadcast time of the schedule, and wherein the terminal is also capable of synchronizing the current time of the terminal with the current time of the content source.

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9. A system according to Claim 7, wherein the terminal is also capable of expiring each released piece of pre-broadcast content when the current time is subsequent to the broadcast time, and wherein the terminal is capable of maintaining, in the memory, at least one expired piece of pre-broadcast content.

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10. A system according to Claim 7, wherein the terminal is also capable of expiring each released piece of pre-broadcast content when the current time is subsequent to the broadcast time, and wherein the terminal is capable of deleting, from the memory, 5 at least one expired piece of pre-broadcast content.

11. A system according to Claim 10, wherein the terminal is capable of maintaining at least one expired piece of pre-broadcast content in the memory of the terminal, and wherein the terminal is capable of overwriting at least one expired piece of 10 pre-broadcast content with at least one subsequent piece of pre-broadcast content.

12. A system according to Claim 1, wherein the terminal is also capable of storing a schedule comprising the same schedule maintained by the continuity server.

15 13. A system according to Claim 12, wherein the schedule includes at least one slot specifying broadcast of a selectable piece of pre-broadcast content at a respective broadcast time, wherein the terminal is capable of receiving a selection of at least one piece of pre-broadcast content for the at least one slot, and thereafter modifying the schedule to specify the selected at least one piece of pre-broadcast content in the at least 20 one slot.

14. A system according to Claim 1, wherein the schedule includes at least one slot specifying a broadcast time and a piece of pre-broadcast content, wherein the terminal is capable of receiving at least one slot of the schedule, and wherein the terminal 25 is capable of accessing at least one piece of pre-broadcast content in accordance with the at least one slot received by the terminal.

30 15. A terminal for receiving broadcast content, the terminal comprising:
a memory comprising a content storage capable of storing at least one piece of pre-broadcast content; and

5 a controller capable of operating a client application capable of accessing at least one piece of pre-broadcast content from the content storage in accordance with a schedule specifying at least one broadcast time a content source broadcasts the same at least one piece of content, and thereafter presenting the accessed at least one piece of pre-broadcast content as the content source broadcasts the same at least one piece of content.

10 16. A terminal according to Claim 15, wherein the controller is also capable of operating a synchronizing application capable of synchronizing the accessed at least one piece of pre-broadcast content with the same at least one piece of content broadcast by the content source, and wherein the client application is capable of presenting the synchronized at least one piece of pre-broadcast content.

15 17. A terminal according to Claim 15, wherein the content storage of the memory is capable of storing the at least one piece of pre-broadcast content before the content source broadcasts the same at least one piece of content.

20 18. A terminal according to Claim 15 further comprising:
a receiver capable of receiving at least one piece of content maintained by a continuity server of a content source, and wherein the content storage is capable of storing the received at least one piece of content as the at least one piece of pre-broadcast content.

25 19. A terminal according to Claim 18, wherein the client application is capable of accessing at least one piece of pre-broadcast content as the content source broadcasts the same at least one piece of content maintained by the continuity server and broadcast in accordance with a schedule maintained by the continuity server, wherein the schedule specifying at least one broadcast time comprises the schedule maintained by the continuity server.

30 20. A terminal according to Claim 19, wherein the receiver is capable of receiving at least one piece of content at least one of encoded and transcoded at the

content source, and wherein when the content source encodes the at least one piece of content, the receiver is capable of receiving the encoded at least one piece of content, and thereafter decoding the encoded at least one piece of content..

5 21. A terminal according to Claim 15, wherein the schedule also specifies at least one broadcast time a content source broadcasts at least one piece of live broadcast content, and wherein the terminal further comprises:

10 a receiver capable of receiving at least one piece of live broadcast content when a current time matches the broadcast time of the respective at least one piece of live broadcast content,

15 wherein the client application is capable of accessing at least one of at least one piece of pre-broadcast content stored in the memory of the terminal and at least one piece of live broadcast content received by the receiver, and wherein the client application is capable of presenting at least one of the accessed at least one piece of pre-broadcast content and the accessed at least one piece of live broadcast content.

22. A terminal according to Claim 15, wherein the controller is also capable of operating a mobile continuity application capable of releasing each piece of pre-broadcast content when a current time of the terminal matches the broadcast time the content source broadcasts the same piece of content,

20 and wherein the client application is capable of accessing at least one released piece of pre-broadcast content.

23. A terminal according to Claim 22, wherein the content source broadcasts the same at least one piece of content when a current time of the content source matches the at least one broadcast time, and wherein the controller is further capable of operating a synchronizing application capable of synchronizing the current time of the terminal with the current time of the content source.

30 24. A terminal according to Claim 22, wherein the mobile continuity application is also capable of expiring each released piece of pre-broadcast content when

the current time is subsequent to the broadcast time, and wherein the controller is capable of maintaining at least one expired piece of pre-broadcast content in the content storage.

25. A terminal according to Claim 22, wherein the mobile continuity
5 application is also capable of expiring each released piece of pre-broadcast content when the current time is subsequent to the broadcast time, and wherein the controller is capable of deleting at least one expired piece of pre-broadcast content from the content storage.

26. A terminal according to Claim 25, wherein the controller is capable of
10 maintaining each expired piece of pre-broadcast content in the content storage, and wherein the controller is capable of overwriting at least one expired piece of pre-broadcast content with at least one subsequent piece of pre-broadcast content.

27. A terminal according to Claim 15, wherein the memory further comprises
15 a schedule storage capable of storing the schedule.

28. A terminal according to Claim 27, wherein the schedule includes at least one slot specifying broadcast of a selectable piece of pre-broadcast content at a respective broadcast time, wherein the controller is further capable of operating a mobile continuity
20 application capable of receiving a selection of at least one piece of pre-broadcast content for the at least one slot, and thereafter modifying the schedule to specify the selected at least one piece of pre-broadcast content in the at least one slot.

29. A terminal according to Claim 15, wherein the schedule includes at least
25 one slot specifying a broadcast time and a piece of pre-broadcast content, wherein the controller is further capable of operating a mobile continuity application capable of receiving at least one slot of the schedule, and wherein the client application is capable of accessing at least one piece of pre-broadcast content in accordance with the at least one slot received by the mobile continuity application.

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30. A method of providing broadcast content, the method comprising:

storing, in a memory of a terminal, at least one piece of pre-broadcast content; accessing at least one piece of pre-broadcast content from the memory of the terminal in accordance with a schedule specifying at least one broadcast time a content source broadcasts the same at least one piece of content; and

5 presenting the accessed at least one piece of pre-broadcast content as the content source broadcasts the same at least one piece of content.

31. A method according to Claim 30 further comprising:
synchronizing the accessed at least one piece of pre-broadcast content with the
10 same at least one piece of content broadcast by the content source,
wherein presenting at least one piece of pre-broadcast content comprises
presenting the synchronized at least one piece of pre-broadcast content.

32. A method according to Claim 30, wherein storing at least one piece of pre-
15 broadcast content comprises storing at least one piece of pre-broadcast content before the
content source broadcasts the same at least one piece of content.

33. A method according to Claim 30 further comprising:
receiving, at the terminal, at least one piece of content maintained by a continuity
20 server of a content source,
wherein storing at least one piece of pre-broadcast content comprises storing the
received at least one piece of content as at least one piece of pre-broadcast content.

34. A method according to Claim 33 further comprising:
25 broadcasting, from the content source, at least one piece of content maintained by
the continuity server in accordance with a schedule maintained by the continuity server
wherein the schedule specifying at least one broadcast time comprises the schedule
maintained by the continuity server,
wherein accessing at least one piece of pre-broadcast content comprises accessing
30 at least one piece of pre-broadcast content as the content source broadcasts the same at
least one piece of content maintained by the continuity server.

35. A method according to Claim 34 further comprising:
processing at least one piece of content at the content source, and thereafter
sending the processed at least one piece of content to the terminal, wherein processing at
5 least one piece of content comprises at least one of encoding and transcoding at least one
piece of content,

wherein receiving at least one piece of content comprises receiving the processed
at least one piece of content, and when the content source encodes the at least one piece
of content, decoding the encoded at least one piece of content.

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36. A method according to Claim 30, wherein the schedule also specifies at
least one broadcast time a content source broadcasts at least one piece of live broadcast
content, and wherein the method further comprises:

15 receiving, at the terminal, at least one piece of live broadcast content when a
current time matches the broadcast time of the respective at least one piece of live
broadcast content,

wherein accessing at least one piece of pre-broadcast content comprises accessing
at least one of at least one piece of pre-broadcast content stored in the memory of the
terminal and at least one piece of live broadcast content received at the terminal, and
20 wherein presenting the accessed at least one piece of pre-broadcast content comprises
presenting at least one of the accessed at least one piece of pre-broadcast content and the
accessed at least one piece of live broadcast content.

37. A method according to Claim 30 further comprising:
25 releasing each piece of pre-broadcast content when a current time of the terminal
matches the broadcast time the content source broadcasts the same piece of content,
wherein accessing at least one piece of pre-broadcast content comprises accessing
at least one released piece of pre-broadcast content.

38. A method according to Claim 37, wherein the content source broadcasts the same at least one piece of content when a current time of the content source matches the at least one broadcast time, and wherein the method further comprises:

5 synchronizing the current time of the terminal with the current time of the content source.

39. A method according to Claim 37 further comprising:
expiring each released piece of pre-broadcast content when the current time is subsequent to the broadcast time; and

10 maintaining, in the memory of the terminal, at least one expired piece of pre-broadcast content.

40. A method according to Claim 37 further comprising:
expiring each released piece of pre-broadcast content when the current time is 15 subsequent to the broadcast time; and
deleting, from the memory of the terminal, at least one expired piece of pre-broadcast content.

41. A method according to Claim 40 further comprising:
20 maintaining at least one expired piece of pre-broadcast content in the memory of the terminal,
wherein deleting at least one expired piece of pre-broadcast content comprises overwriting at least one expired piece of pre-broadcast content maintained in memory with at least one subsequent piece of pre-broadcast content.

25 42. A method according to Claim 30, wherein storing at least one piece of pre-broadcast content further comprises storing the schedule.

43. A method according to Claim 42, wherein the schedule includes at least 30 one slot specifying broadcast of a selectable piece of pre-broadcast content at a respective broadcast time, and wherein the method further comprises:

receiving a selection of at least one piece of pre-broadcast content for the at least one slot; and

modifying the schedule to specify the selected at least one piece of pre-broadcast content in the at least one slot.

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44. A method according to Claim 30, wherein the schedule includes at least one slot specifying a broadcast time and a piece of pre-broadcast content, and wherein the method further comprises:

receiving at least one slot of the schedule at the terminal,
10 wherein accessing at least one piece of pre-broadcast content comprises accessing at least one piece of pre-broadcast content in accordance with the at least one slot received at the terminal.

45. A computer program product for providing broadcast content, the computer program product comprising a computer-readable storage medium having computer-readable program code portions stored therein, the computer-readable program code portions comprising:

a first executable portion for storing, in a memory of a terminal, at least one piece of pre-broadcast content;

20 a second executable portion for accessing at least one piece of pre-broadcast content from the memory of the terminal in accordance with a schedule specifying at least one broadcast time a content source broadcasts the same at least one piece of content; and

25 a third executable portion for presenting the accessed at least one piece of pre-broadcast content as the content source broadcasts the same at least one piece of content.

46. A computer program product according to Claim 45 further comprising:

30 a fourth executable portion for synchronizing the accessed at least one piece of pre-broadcast content with the same at least one piece of content broadcast by the content source,

wherein the third executable portion is adapted to present the synchronized at least one piece of pre-broadcast content.

47. A computer program product according to Claim 45, wherein the first 5 executable portion is adapted to store at least one piece of pre-broadcast content before the content source broadcasts the same at least one piece of content.

48. A computer program product according to Claim 45 further comprising: 10 a fourth executable portion for receiving, at the terminal, at least one piece of content maintained by a continuity server of a content source, wherein the first executable portion is adapted to store the received at least one piece of content as at least one piece of pre-broadcast content.

49. A computer program product according to Claim 48, wherein the second 15 executable portion is adapted to access at least one piece of pre-broadcast content as the content source broadcasts the same at least one piece of content maintained by the continuity server and broadcast in accordance with a schedule maintained by the continuity server, wherein the schedule specifying at least one broadcast time comprises the schedule maintained by the continuity server.

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50. A computer program product according to Claim 49, wherein the fourth executable portion is adapted to receive at least one piece of content at least one of encoded and transcoded at the content source, and wherein when the content source encodes the at least one piece of content, the fourth executable portion is adapted to 25 decode the encoded at least one piece of content

51. A computer program product according to Claim 45, wherein the schedule also specifies at least one broadcast time a content source broadcasts at least one piece of live broadcast content, and wherein the computer program product further comprises:

a fourth executable portion for receiving, at the terminal, at least one piece of live broadcast content when a current time matches the broadcast time of the respective at least one piece of live broadcast content,

wherein the second executable portion is adapted to access at least one of at least 5 one piece of pre-broadcast content stored in the memory of the terminal and at least one piece of live broadcast content received at the terminal, and wherein the third executable portion is adapted to present at least one of the accessed at least one piece of pre-broadcast content and the accessed at least one piece of live broadcast content.

10 52. A computer program product according to Claim 45 further comprising:
a fourth executable portion for releasing each piece of pre-broadcast content when a current time of the terminal matches the broadcast time the content source broadcasts the same piece of content,
wherein the second executable portion is adapted to access at least one released 15 piece of pre-broadcast content.

20 53. A computer program product according to Claim 52, wherein the content source broadcasts the same at least one piece of content when a current time of the content source matches the at least one broadcast time, and wherein the computer program product further comprises:

a fifth executable portion for synchronizing the current time of the terminal with the current time of the content source.

25 54. A computer program product according to Claim 52 further comprising:
a fifth executable portion for expiring each released piece of pre-broadcast content when the current time is subsequent to the broadcast time; and
a sixth executable portion for maintaining, in the memory of the terminal, at least one expired piece of pre-broadcast content.

30 55. A computer program product according to Claim 52 further comprising:

5 a fifth executable portion for expiring each released piece of pre-broadcast content when the current time is subsequent to the broadcast time; and
10 a sixth executable portion for deleting, from the memory of the terminal, at least one expired piece of pre-broadcast content.

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15 56. A computer program product according to Claim 55 further comprising:
20 a seventh executable portion for maintaining at least one expired piece of pre-broadcast content in the memory of the terminal,
 wherein the sixth executable portion is adapted to overwrite at least one expired piece of pre-broadcast content maintained in memory with at least one subsequent piece of pre-broadcast content.

25 57. A computer program product according to Claim 45, wherein the first executable portion is further adapted to store the schedule.

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30 58. A computer program product according to Claim 57, wherein the schedule includes at least one slot specifying broadcast of a selectable piece of pre-broadcast content at a respective broadcast time, and wherein the computer program product further comprises:
 a fourth executable portion for receiving a selection of at least one piece of pre-broadcast content for the at least one slot; and
 a fifth executable portion for modifying the schedule to specify the selected at least one piece of pre-broadcast content in the at least one slot.

35 59. A computer program product according to Claim 45, wherein the schedule includes at least one slot specifying a broadcast time and a piece of pre-broadcast content, and wherein the computer program product further comprises:

40 a fourth executable portion for receiving at least one slot of the schedule at the terminal,
 wherein the second executable portion is adapted to access at least one piece of pre-broadcast content in accordance with the at least one slot received at the terminal.